

U.S. OFFICIALS ONLY
CONFIDENTIALCENTRAL INTELLIGENCE AGENCY
INFORMATION REPORT

50X1-HUM

COUNTRY USSR

SUBJECT The DShK Machine Guns Used For Combating Low-Flying
Attacking Aircraft and Dive Bombers

REPORT

DATE DISTR. 8 Nov 1954

50X1-HUM

NO. OF PAGES 2

NO. OF ENCLS.

SUPP. TO
REPORT NO.

50X1-HUM

THIS DOCUMENT CONTAINS INFORMATION AFFECTING THE NATIONAL DEFENSE
OF THE UNITED STATES, WITHIN THE MEANING OF TITLE 18, SECTIONS 793
AND 794, OF THE U.S. CODE, AS AMENDED. ITS TRANSMISSION OR REVE-
LATION OF ITS CONTENTS TO OR RECEIPT BY AN UNAUTHORIZED PERSON IS
PROHIBITED BY LAW. THE REPRODUCTION OF THIS REPORT IS PROHIBITED.

THIS IS UNEVALUATED INFORMATION

1. "For combating low-flying attacking aircraft and dive bombers, the Soviets re-
gard the antiaircraft machine gun DShK of the 1938-46 model' (DShK ---
Degtiarev-Shtagin-krupnokalibrenny) as the best weapon. This machine gun is
coupled and mounted on the platform of a cross-country automobile.
2. "The technical data of the latest models of this machine gun are as follows:

caliber	12.7 mm
initial velocity	850m/sec
The barrel has eight grooves with a pitch of 381 mm	
length of barrel	1m
length of grooved part	890 mm
technical rate of fire	600 shots per minute
practical rate of fire	125 " " "
3. "The machine gun shoots 'B-32' 'armor-piercing and incendiary' bullets which
have a black head with a red belt.
4. "The weight of a 'B-32' is 51 grams and the total weight of the cartridge is
180 grams.
5. "The machine gun shoots from metal ribbons with 50 cartridges in each. The total
weight of a cartridge box with ribbon and cartridges is 12 kg.
6. "The total weight of the machine gun complete with tripod is 140 kg.
7. "The machine gun has a 'tripod mount' and an antiaircraft sight, 1943 model',

50X1-HUM

U.S. Officials Only
CONFIDENTIAL

DISTRIBUTION	STATE	ARMY	EV	NAVY	AIR	FBI
--------------	-------	------	----	------	-----	-----

This report is for the use within the USA of the Intelligence components of the Departments or
Agencies indicated above. It is not to be transmitted overseas without the concurrence of the
originating office through the Assistant Director of the Office of Collection and Dissemination, CIA.

US OFFICIALS ONLY
CONFIDENTIAL

50X1-HUM

2.

the constructor of which is Professor S.T. Tsukkerman.

8. "By means of this sight, fire can be directed at heights of 500-1,800 m, the latter ~~distance~~ being the maximum range for the machine gun. The sight is set for craft [sic] speed of up to 700 km per hour.
9. "The machine gun can be used even for shooting at ground targets, the range of horizontal aimed fire being 3,500 m and the maximum range 7,000 m.
10. "The armor-piercing and incendiary bullet 'B-32' pierces armor as follows:

at distances	500m	1,000m	1,500m
at angles	25mm/22mm	17mm/15mm	11mm/10mm"

-end-

50X1-HUM